

Title (en)

Method for coating an article with a ladder siloxane polymer and coated article

Title (de)

Verfahren zur Beschichtung eines Gegenstandes mit einem Polysilsesquioxan und beschichteter Gegenstand

Title (fr)

Procédé de revêtement d'un article avec un polysilsesquioxane et article revêtu

Publication

EP 1123955 A2 20010816 (EN)

Application

EP 00126680 A 19980901

Priority

- EP 98306989 A 19980901
- US 92621097 A 19970909

Abstract (en)

The invention provides a method for coating an article with a siloxane-based coating composition that results in a coating with high thermal mechanical stability, the method also allowing commercially acceptable speeds to be employed while inhibiting beading of the coating prior to cure. In one embodiment, the invention provides a method for coating an article with a modified methylsilsequioxane coating suitable for higher temperature applications than an all-methyl coating. This embodiment involves coating an article with a composition comprising an oligomer characterized by A:B:C, where A represents the number of methyl pendant groups in the oligomer and is about 13 to about 67, B represents dimethyl pendant groups and is about 0 to about 33, and C represents phenyl pendant groups and is about 10 to about 80, a lower aliphatic ketone viscosity-lowering additive, and a catalyst of a moderately strong protic acid.

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IPC 8 full level

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Cited by

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